

FORM PTO-1390  
(REV. 2-2005)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTORNEY'S DOCKET NUMBER  
11005-030-999**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (if known, see 37CFR 1.5)

To be assigned  
**10/529695**INTERNATIONAL APPLICATION NO.  
PCT/KR2003/01984INTERNATIONAL FILING DATE  
September 29, 2003PRIORITY DATE CLAIMED  
September 30, 2002TITLE OF INVENTION  
CURCUIT FOR DRIVING GATE OF POWER MOSFETAPPLICANT(S) FOR DO/EO/US  
Tae Ha RYOO and Byung Tak JANG

Applicant herewith submits to the United States Designated/ Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The U.S. has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11. to 20. below concern document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☒ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter 2 and 37 CFR 1.821- 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: Notice Informing the Applicant of the Communication of the International Application to the Designated Offices

|   |              |   |            |   |           |   |  |
|---|--------------|---|------------|---|-----------|---|--|
| US APPLICATION NO. (if not, see 37 CFR 1.52)<br>To be assigned  |              | 10/529695   |            | INTERNATIONAL APPLICATION NO.<br>PCT/KR2003/01984 |           | ATTORNEY'S DOCKET NUMBER<br>11005-030-999 |  |
| 21. The following fees are submitted:<br><b>BASIC NATIONAL FEE:</b><br><input checked="" type="checkbox"/> a) Basic national fee ..... \$300.00<br><input checked="" type="checkbox"/> b) Examination fee .....<br>Was the International Preliminary Examination Report prepared by the USPTO<br>and do all filed claims in this U.S. application satisfy provisions of PCT<br>Article 33(1)-(4) (i.e., novelty, inventive step and industrial capability)? .....<br><input type="checkbox"/> i) Yes (\$100.00) .....<br><input checked="" type="checkbox"/> ii) No (\$200.00) ..... \$200.00<br><input checked="" type="checkbox"/> c) Search fee .....<br>Was the USPTO the International Searching Authority?.....<br><input type="checkbox"/> i) Yes (\$100.00).....<br>ii) If no:<br><input type="checkbox"/> (a) An International Search Report will be provided to the USPTO on<br>or before payment of the search fee. (\$400.00) .....<br><input checked="" type="checkbox"/> (b) No International Search Report will be provided to the USPTO.<br>(\$500.00) ..... \$500.00<br><br><b>TOTAL OF CALCULATIONS =</b> |              |   |            |   |           |   |  |
|   |              |   |            | \$  | \$1000.00 |   |  |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding<br>sequence listing of computer programs listing filed in electronic medium). The fee is \$250 for<br>each additional 50 sheets of paper or fraction thereof.  |              |   |            |   |           |   |  |
| Total Sheets  | Extra Sheets | Number of each additional 50 or fraction<br>thereof (round up to a whole number). | RATE       |   |           |   |  |
| 26 -100   | 0 /50        |   | x 250.00   |   |           |   |  |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest<br>claimed priority date (37 CFR 1.492 (e)).  |              |   |            | \$  | \$0.00    |   |  |
| CLAIMS  | NUMBER FILED | NUMBER EXTRA  | RATE X     |   |           |   |  |
| Total Claims  | 12 - 20      | 0   | x \$50.00  |   |           |   |  |
| Independent Claims  | 3 - 3        | 0   | x \$200.00 | =   | \$0.00    |   |  |
| <input checked="" type="checkbox"/> MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |              |   | + 360.00   |   | \$360.00  |   |  |
| <b>TOTAL OF ABOVE CALCULATIONS=</b>   |              |   |            | =   | \$        | \$1360.00                                 |  |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced<br>by 50%   |              |   |            | -   | \$        | \$680.00                                  |  |
| <b>SUBTOTAL =</b>   |              |   |            |   | \$        | \$680.00                                  |  |
| Surcharge of \$130.00 for furnishing the English Translation later than 30 months from the earliest<br>claimed priority date (37 CFR 1.492(f)).   |              |   |            |   |           | \$0.00                                    |  |
| <b>TOTAL NATIONAL FEE</b>   |              |   |            | =   | \$        | \$680.00                                  |  |
| Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be<br>accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 1 x \$40.00 per property  |              |   |            |   | \$        | \$40.00                                   |  |
| <b>TOTAL FEES ENCLOSED</b>  |              |   |            | =   | \$        | \$720.00                                  |  |
|   |              |   |            |   |           | <b>Amount to be refunded:</b>             |  |
|   |              |   |            |   |           | <b>charged:</b>                           |  |
| a. <input type="checkbox"/> A check in the amount of \$                      to cover the above fees is enclosed.<br>b. <input checked="" type="checkbox"/> This is an estimate of the fees due. Please charge Deposit Account<br>No. 50-3013 to cover the required fees. A copy of this sheet is enclosed.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit<br>Account No. 50-3013. A copy of this sheet is enclosed.<br><br><b>Note: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be<br/>                 filed and granted to restore the International Application to pending status.</b>  |              |   |            |   |           |   |  |
| 22. <input type="checkbox"/> Other instructions   |              |   |            |   |           |   |  |
| 23. <input checked="" type="checkbox"/> All correspondence for this application should be mailed to                      JONES DAY                      20583   |              |   |            |   |           |   |  |
| 24. <input type="checkbox"/> All telephone inquiries should be made to  |              |   |            |   |           |   |  |
| For Brian M. Rothery  |              |   |            | 35,340  |           |   |  |
| By Michael Fainberg   |              |   |            | 50,441  |           | March 28, 2005                            |  |
| NAME  |              | SIGNATURE   |            | REG. NO.  |           | DATE                                      |  |